

O&M TRAINING CENTER COURSE

Course Title:	Electrical Print Reading
Location:	San Joaquin Field Division
Sponsor:	O&M Training Center
Participants:	O&M Journey-level Trades & Crafts Personnel
Class Limits:	Minimum 10, Maximum 16
Class Dates:	
Time:	0800 to 1530 hours, Days 1 & 2 0800 to 1200, Day 3 20 Hours
Instructor:	D. Duval, P. Whitlock
Course Information:	This is a 20-hour course on reading and understanding electrical drawings. This class is designed for the student who has had some experience reading electrical drawings, but has had difficulty understanding how the circuit (drawing) works. The student will gain knowledge in the proper methods of reading and understanding electrical drawings.
Class Prerequisites:	1. Student should have a <u>basic</u> understanding of electricity and electrical drawings prior to attending class. 2. Student should review basic DWR electrical symbols and device numbers found on DWR electrical drawings.

Class Subjects

Day One – 8 Hours <ul style="list-style-type: none"> • Introduction to electrical drawings <ul style="list-style-type: none"> a. types of prints b. symbols and abbreviations c. device numbers d. title block information 	Day Two – 8 Hours <ul style="list-style-type: none"> • Reading simple schematics <ul style="list-style-type: none"> a. connecting symbols (variations) b. current flow c. relays and contacts d. proper approach to reading e. troubleshooting simple department schematics 	Day Three – 4 Hours <ul style="list-style-type: none"> • Reading complex schematics <ul style="list-style-type: none"> a. identifying circuit components. b. understanding the circuit. c. locating and identifying problems. d. using SIR's locate problem (findings) and develop solutions (recommendations)
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